

SEQUENCE LISTING

<110> Ho, Chien
Tsai, Ching-Hsuan
Fang, Tsuei-Yun
Shen, Tong-Jian

<120> Low Oxygen Affinity Mutant Hemoglobins

<130> 2000-02

<140> US 09/598,218

<141> 2000-06-21

<160> 7

<170> PatentIn Ver. 2.1

<210> 1

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer to
introduce betaN108Q mutation into plasmid pHE2

<400> 1

cgtctgctgg gtcaggtact agtttgcg

28

<210> 2

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer to
introduce mutation alphaD94A into plasmid pHE2

<400> 2

ctgcgtgttg ctccggtcaa cttcaaactg

30

<210> 3

<211> 29

<212> DNA

<213> Artificial Sequence

09031633-10901

<220>

<223> Description of Artificial Sequence: Primer to
introduce betaL105W mutation into plasmid pHE2

<400> 3

ggaaaacttc cgatggctgg gtaacgtac

29

<210> 4

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer to
introduce betaN108Q mutation into plasmid pHE7

<400> 4

acagaccagt acttgtccca ggagcct

27

<210> 5

<211> 1140

<212> DNA

<213> Human

<400> 5

aaatgagctg ttgacaatta atcatcggct cgtataatgt gtggaattgt gagcggataa 60
caatttcaca caggaaacag aattcgagct cggtagccgg gctacatgga gattaactca 120
atctagaggg tattaataat gtatcgctta aataaggagg aataacatat ggtgctgtct 180
cctgccgaca agaccaacgt caagggccgc tggggtaagg tcggcgcgca cgctggcgag 240
tatggtgcgg aggccctgga gaggatgttc ctgtccttcc ccaccaccaa gacctacttc 300
ccgcacttcg atctgagcca cggctctgcc caggttaagg gccacggcaa gaaggaggcc 360
gacgcgctga ccaacgcgct ggcgcacgtg gacgacatgc ccaacgcgct gtccgccctg 420
agcgacctgc acgcgcacaa gcttcgggtg gacccggta acttcaagct cctaagccac 480
tgccctgctg tgaccctggc cgcccacctc cccgccgagt tcacccctgc ggtgcacgcc 540
tccctggaca agttcctggc ttctgtgagc accgtgctga octccaaata ccgttaaact 600
agaggggtatt aataatgtat cgcttaaata aggaggaata acatatggtg cacctgactc 660
ctgaggagaa gtctgccgtt actgccctgt ggggcaagg gaacgtggat gaagttggtg 720
gtgaggccct gggcaggctg ctggtggtct acccttgga ccagagggtt tttgagtcct 780
ttggggatct gtccactcct gatgctgtta tgggcaaccc taagggtgaag gctcatggca 840
agaaagtgtc cgggtgccttt agtgatggcc tggctcacct ggacaacctc aagggcacct 900
ttgccacact gagtgagctg cactgtgaca agctgcacgt ggatcctgag aacttcaggc 960
tcctgggaca agtactggtc tgtgtgctgg cccatcactt tggcaaagaa ttcacccac 1020
cagtgcaggc tgcctatcag aaagtgggtg ctggtgtggc taatgccctg gccacaagt 1080
atcactaagc atgcatctgt tttggcggat gagagaagat tttcagcctg atacagatta 1140

<210> 6
<211> 36
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer to
introduce betaL105W mutation into plasmid pHE7

<400> 6
cctgagaact tcaggtggct aggcaacgtg ctggtc

36

<210> 7
<211> 1140
<212> DNA
<213> Human

<400> 7
aaatgagctg ttgacaatta atcatcggct cgtataatgt gtggaattgt gagcggataa 60
caatttcaca caggaaacag aattcgagct cggtagccgg gctacatgga gattaactca 120
atctagagggg tattaataat gtatcgctta aataaggagg aataacatat ggtgctgtct 180
cctgccgaca agaccaacgt caaggccgcc tggggtaagg tcggcgcgca cgctggcgag 240
tatggtgcgg aggccctgga gaggatgttc ctgtccttcc ccaccaccaa gacctacttc 300
ccgcacttcg atctgagcca cggctctgcc cagggttaagg gccacggcaa gaagggtggc 360
gacgcgctga ccaacgccgt ggcgacgtg gacgacatgc ccaacgcgct gtccgccctg 420
agcgacctgc acgcgcacaa gcttcgggtg gaccgggtca acttcaagct cctaagccac 480
tgccctgctg tgaccctggc cgcccacctc cccgcgcgag tcacccctgc ggtgcacgcc 540
tccttgagca agttcctggc ttctgtgagc accgtgctga cctccaaata ccgttaaact 600
agagggtatt aataatgtat cgcttaaata aggaggaata acatatggtg cacctgactc 660
ctgaggagaa gtctgccgtt actgccctgt ggggcaagg gaacgtggat gaagttggtg 720
gtgaggccct gggcaggctg ctggtggtct acccttgga ccagaggttc tttgagtcct 780
ttggggatct gtccactcct gatgctgtta tgggcaaccc taaggatgaag gctcatggca 840
agaaagtgtc cgggtgccttt agtgatggcc tggctcacct ggacaacctc aagggcacct 900
ttgccacact gagttagctg cactgtgaca agctgcacgt ggatcctgag aacttcaggt 960
ggctaggcaa cgtgctggtc tgtgtgctgg cccatcactt tggcaaagaa ttcacccac 1020
cagtgcaggc tgcctatcag aaagtgggtg ctgggtgtggc taatgccctg gccacaagt 1080
atcactaagc atgcatctgt tttggcggat gagagaagat tttcagcctg atacagatta 1140

099553-1094

